



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Satoshi Seo et al.

Art Unit : 2879

Serial No. : 10/024,699

Examiner : Matthew Hodges

Filed : December 21, 2001

Confirmation No.: 6811

Title : LIGHT EMITTING DEVICE HAVING ORGANIC LIGHT EMITTING MATERIAL

MAIL STOP ISSUE FEE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

RE-SUBMISSION OF INFORMATION DISCLOSURE STATEMENTS
PREVIOUSLY FILED

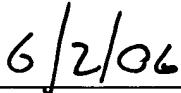
Applicants request consideration of the references listed on the attached PTO-1449 forms. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is a resubmission of copies of information disclosure statements previously filed on June 19, 2002, December 20, 2002 and February 14, 2003, respectively, along with copies of the return receipt post cards stamped by the U.S. Patent and Trademark Office as suggested by Examiner Hodges and Nimesh Patel of customer services at TC 2800. It is respectfully requested that these references be considered and the initialed PTO-1449 forms be returned to the undersigned.

No fee is believed due in connection with the resubmission of these papers. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:



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Reg. No. 37,640

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Washington, DC 20005-3500
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| Attorney's Docket No. 12732-088001 | Express Mail Label No. | Mailing Date December 20, 2002 | For PTO Use Only <i>Do Not Mark in This Area</i> |
| Application No. 10/024,699 | Filing Date December 21, 2001 | Attorney/Secretary Init JFH/aks | |
| Title of the Invention LIGHT EMITTING DEVICE AND METHOD OF MANUFACTURING THE SAME | | | |
| Applicant Satoshi Seo et al. | | | |
| Enclosures Information Disclosure Statement (1 page) Form PTO-1449 (in duplicate, 2 pages) Documents listed on the Form PTO-1449 (3 documents) Austrian Search Report (6 pages) | | | |





Attorney's Docket No.: 12732-088001 / US5398/5543

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Satoshi Seo et al. Art Unit : 2879
Serial No. : 10/024,699 Examiner : Unknown
Filed : December 21, 2001
Title : LIGHT EMITTING DEVICE AND METHOD OF MANUFACTURING THE SAME

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicants submit copies of the references listed on the attached form PTO-1449. A copy of a communication from the Austrian Patent Office in a counterpart application is also enclosed.

This statement is being filed before the receipt of a first Office action on the merits.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,


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Date: December 20, 2002

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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
12732-088001Application No.
10/024,699**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Satoshi Seo et al.Filing Date
December 21, 2001Group Art Unit
2879**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|-------------------|-------|----------|----------------------------|
| | AA | 5,256,945 | 10/26/1993 | Imai et al. | | | 12/13/1991 |
| | AB | 5,719,467 | 02/17/1998 | Antoniadis et al. | | | 07/27/1995 |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
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| | AJ | | | | | | |
| | AK | | | | | | |

Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|
| | AL | EP 1 011 155 A2 | 06/21/2000 | Europe | | | Yes |
| | AM | | | | | | No |
| | AN | | | | | | |
| | AO | | | | | | |
| | AP | | | | | | |

Other Documents (include Author, Title, Date, and Place of Publication)

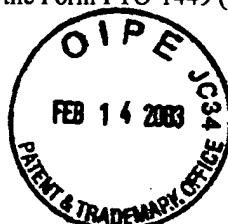
| Examiner Initial | Desig. ID | Document |
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Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| Attorney's Docket No. 12732-088001 | Express Mail Label No. | Mailing Date February 14, 2003 | For PTO Use Only <i>Do Not Mark in This Area</i> |
| Application No. 10/024,699 | Filing Date December 21, 2001 | Attorney/Secretary Init JFH/adt | |
| Title of the Invention LIGHT EMITTING DEVICE AND METHOD OF MANUFACTURING THE SAME | | | |
| Applicant Satoshi Seo et al. | | | |
| Enclosures <ul style="list-style-type: none"> • Information Disclosure Statement (1 page) • Form PTO-1449 (1 page) • Documents listed on the Form PTO-1449 (1) | | | |



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Satoshi Seo et al. Art Unit : 2879
Serial No. : 10/024,699 Examiner : Unknown
Filed : December 21, 2001
Title : LIGHT EMITTING DEVICE AND METHOD OF MANUFACTURING THE SAME

Commissioner for Patents
Washington, D.C. 20231

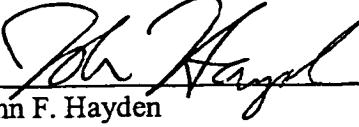
INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are enclosed.

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Respectfully submitted,


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| Substitute Form PTO-1449 (Modified) | | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-088001 | Application No. 10/024,699 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | Applicant Satoshi Seo et al. | | |
| (37 CFR §1.98(b)) | | Filing Date December 21, 2001 | Group Art Unit 2879 | |

| U.S. Patent Documents | | | | | | | |
|------------------------------|-----------|-----------------|------------------|----------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| | AA | | | | | | |
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| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | |
|--|-----------|-----------------|------------------|--------------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation Yes No |
| | AL | TW 243470 | 30 JUN 1994 | TAIWAN | | | Abstract |
| | AM | | | | | | |
| | AN | | | | | | |
| | AO | | | | | | |
| | AP | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
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| | AT | |

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| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

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Serial No. : 10/024,699 Examiner : Unknown
Filed : December 21, 2001
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Washington, D.C. 20231

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Respectfully submitted,



John F. Hayden
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Date: June 19, 2002

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| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Satoshi Seo et al. | | |
| | | Filing Date December 21, 2001 | Group Art Unit 2879 | |

| U.S. Patent Documents | | | | | | | |
|------------------------------|-----------|---------------------------|------------|-----------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Patent/Application Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| | AA | 10/026,064 | Pending | Seo et al. | | | 01/10/2002 |
| | AB | 10/081,971 | Pending | Yamazaki et al. | | | 02/20/2002 |
| | AC | 10/072,310 | Pending | Yamazaki et al. | | | 02/05/2002 |
| | AD | 10/060,427 | Pending | Kanagawa et al. | | | 01/29/2002 |
| | AE | 10/062,005 | Pending | Yamazaki et al. | | | 01/31/2002 |
| | AF | 10/043,812 | Pending | Kanagawa et al. | | | 01/10/2002 |
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| | AI | 10/026,064 | Pending | Seo et al. | | | 12/21/2001 |
| | AJ | 09/852,090 | Pending | Yamagata et al. | | | 05/10/2001 |
| | AK | 5,925,980 | 07/20/1999 | So et al. | | | 05/01/1997 |
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| | AM | 6,130,001 | 10/10/2000 | Shi et al. | | | 07/15/1997 |
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| | AO | 6,285,039 | 09/04/2001 | Kobori et al. | | | 06/03/1998 |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | |
|--|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |
| | | | | | | | Yes No |
| | AP | EP 1 065 737 A2 | 01/03/2001 | Europe | | | |
| | AQ | 10-233288 | 09/02/1998 | Japan | | | XX |
| | AR | 2001-52870 | 02/23/2001 | Japan | | | XX |
| | AS | | | | | | |
| | AT | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | | | | | | |
|--|-----------|--|--|--|--|--|--|
| Examiner Initial | Desig. ID | Document | | | | | |
| | AU | C.W. Tang et al.; "Organic Electroluminescent Diodes"; <i>Applied Physics Letters</i> , Vol. 51, No. 12; pp. 913-915; September 21, 1987 | | | | | |

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| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Satoshi Seo et al. | |
| | | Filing Date December 21, 2001 | Group Art Unit 2879 |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|--|-----------|--|
| Examiner Initial | Desig. ID | Document |
| | AV | Yasunori Kijima et al.; "A Blue Organic Light Emitting Diode"; <i>Japan Journal of Applied Physics</i> , Vol. 38; pp. 5274-5277; September 1999 |
| | AW | C.W. Tang et al.; "Electroluminescence of Doped Organic Thin Films"; <i>Journal of Applied Physics</i> , Vol. 65, No. 9; pp. 3610-3616; May 1, 1989 |
| | AX | Chihaya Adachi et al.; "Electroluminescence in Organic Films with Three-Layer Structure"; <i>Japanese Journal of Applied Physics</i> , Vol. 27, No. 2; pp. L269-L271; February 1988 |
| | AY | Tetsuo Tsutsui et al.; "New Aspect of Research and Development of Organic EL"; <i>M&BE Seminar (M&BE)</i> , Vol. 11, No. 1); pp. 1-18; 2000 |
| | AZ | Takeo Wakimoto et al.; "Organic EL Cells Using Alkaline Metal Compounds as Electron Injection Materials"; <i>IEEE Transactions on Electron Devices</i> , Vol. 44, No. 8, pp. 1245-1248; August 1998 |
| | AAA | S.A. Van Slyke et al.; "Organic Electroluminescent Devices with Improved Stability"; <i>Applied Physics Letter</i> , Vol. 69, No. 15; pp. 2160-2162; October 7, 1996 |
| | ABB | D.F. O'Brien et al.; "Improved Energy Transfer in Electrophosphorescent Devices"; <i>Applied Physics Letter</i> , Vol. 74, No. 3; pp. 442-444; January 18, 1999 |
| | ACC | Tetsuo Tsutsui et al.; "High Quantum Efficiency in Organic Light-Emitting Devices with Iridium-Complex as a Triplet Emissive Center"; <i>Japan Journal of Applied Physics</i> , Vol. 38, Part 2, No. 12B; pp. L1502-L1504; December 15, 1999 |
| | ADD | Tetsuo Tsutsui; "The Operation Mechanism and the Light Emission Efficiency of the Organic EL Element"; <i>Test of the Third Lecture Meeting; Bulletin of Organic Molecular/Bioelectronics Subcommittee, Society of Applied Physics</i> ; pp. 31-37 w/translation; 1993 |
| | AEE | Junji Kido et al.; "Multilayer White Light-Emitting Organic Electroluminescent Device"; <i>Science</i> , Vol. 267; pp. 1332-1334; March 3, 1995 |

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| Applicant Satoshi Seo et al. | | | |
| Enclosures ➤ Information Disclosure Statement (1 page) ➤ Form PTO-1449 (in duplicate, 4 pages) ➤ Documents listed on the Form PTO-1449 (29 documents) | | | |

CKL

